

Result	No.	Score	Match	Length	ID	Description
C	1	62.4	7.0	7218	US-08-232-463-14	Sequence 14, Appl
		47.8	5.4	7218	US-08-232-463-14	Sequence 14, Appl
		44.4	5.0	40338	US-08-474-478A-1	Sequence 102, Appl
C	4	37.2	4.2	1871	US-08-416-478A-1	Sequence 1, Appl
		37.2	4.2	1871	US-08-474-988B-1	Sequence 1, Appl
C	5	37.2	4.2	1871	US-08-394-442B-1	Sequence 1, Appl
		37.2	4.2	289	US-08-007-005-17	Sequence 17, Appl
		37.2	4.2	289	US-08-244-796-17	Sequence 17, Appl
C	9	36.6	4.1	591	US-08-331-509B-22	Sequence 22, Appl
		36.6	4.1	591	US-08-331-509B-22	Sequence 22, Appl
C	10	36.6	4.1	591	US-08-093-576A-22	Sequence 22, Appl
		36.6	4.1	591	US-08-332-768A-22	Sequence 22, Appl
C	11	36.6	4.1	591	US-08-332-768A-22	Sequence 22, Appl
		36.6	4.1	591	US-08-332-768A-22	Sequence 22, Appl
C	12	35.8	4.0	278	US-08-676-967-2	Sequence 2, Appl
		35.8	4.0	278	US-08-676-967-2	Sequence 2, Appl
C	13	34	3.8	2277	US-08-676-974-2	Sequence 2, Appl
		34	3.8	2277	US-08-676-974-2	Sequence 2, Appl
C	14	34	3.8	2277	US-08-098-487-2	Sequence 2, Appl
C	15	34	3.8	2277	US-08-098-487-2	Sequence 2, Appl
C	16	33	3.7	53526	US-08-658-136-2	Sequence 2, Appl
C	17	33	3.7	53577	US-08-658-136-1	Sequence 2, Appl
C	18	32.2	3.6	4517	US-08-488-706-2	Sequence 9, Appl
		32.2	3.6	4771	US-08-488-706-2	Sequence 9, Appl
C	19	32.2	3.6	4771	US-08-672-270A-9	Sequence 2, Appl
		32.2	3.6	4771	US-08-672-270A-9	Sequence 2, Appl
C	20	32.2	3.6	5852	US-09-007-005-17	Sequence 2, Appl
		32.2	3.6	5852	US-09-007-005-17	Sequence 2, Appl
C	21	32.2	3.6	289	US-09-244-796-17	Sequence 17, Appl
		32.2	3.6	289	US-09-244-796-17	Sequence 17, Appl
C	22	32	3.6	289	US-09-385-982-167	Sequence 167, Appl
C	23	32	3.6	653	US-08-724-594A-20	Sequence 20, Appl
C	24	32	3.6	653	US-08-724-594A-20	Sequence 20, Appl
C	25	32	3.6	246240	US-08-724-594A-21	Sequence 21, Appl
C	26	32	3.6	246240	US-08-724-594A-21	Sequence 21, Appl
C	27	32	3.6	246240	US-08-724-594A-22	Sequence 22, Appl
		32	3.6	246240	US-08-724-594A-22	Sequence 22, Appl

FILING DATE: 435
 PREL APPLICATION DATA:
 REFERENCE NUMBER: 05/07/935,313
 FILING DATE: 26-AUG-1991
 APPLICATION NUMBER: EP 91 114 300.6
 FILING DATE: 26-AUG-1991
 ATTORNEY/AGENT INFORMATION:
 NAME: BENT, Stephen A., 768
 ADDRESS: 1000
 REFERENCE/DOCNO NUMBER: 30472/114 1000
 TELECOMMUNICATION INFORMATION:
 TELEPHONE: (703)836-9300
 TELEFAX: (703)683-4109
 TELEX: 899149
 INVENTOR INFORMATION: ID NO. 14:
 SEQUENCE CHARACTERISTICS:
 LENGTH: 7218 base pairs
 TYPE: nucleic acid
 STRANDEDNESS: single
 TOPOLOGY: linear
 IMMEDIATE SOURCE:
 08-232-463-1, 1759pt-15

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; LENGTH: 1871 base pairs
; TYPE: nucleic acid
; STRANDEDNESS: single
; TOPOLOGY: linear
; FEATURE:
; NAME/KEY: CDS
; LOCATION: 231..1724
; US-08-416-478A-1

Query Match 4.23; Score 37.2; DB 1; Length 1871;
Pair Local Similarity 57.54; Fred. No. 0.29;
Matches 66; Conservative 0; Mismatches 48; Indels 0; Gaps 0;

QY 14 ctctctatccggtctctccatttgctgctgcgaagctctggggaagatcccggaac 73
||||| ||||| ||||| ||||| ||||| ||||| ||||| ||||| |||||
Db 239 CTCCTCACATCTCTCTATGCTGTGGCGAGCTGTCCAGGCCCTCCAAAAGGAGGTCTCAGAAAG 180
||||| ||||| ||||| ||||| ||||| ||||| ||||| ||||| |||||
QY 74 gaaataatcggggtttgggggaaggaggttaagggaagaagctggaggagggg 127
||||| ||||| ||||| ||||| ||||| ||||| ||||| ||||| |||||
Db 179 GAAAGGGGGCGAGTGTGGGGGGTGGGGGGTAAAGGAGAGTCTCTCAGAGAGGG 126
||||| ||||| ||||| ||||| ||||| ||||| ||||| ||||| |||||

RESULT 5
US-08-474-988B-1/C
; Sequence 1, Application US/08474988B
; Patent No. 5874250
; GENERAL INFORMATION:
; APPLICANT: Hercend, Thierry
; APPLICANT: Trabel, Frederic
; TITLE OF INVENTION: NEW PROTEINS PRODUCED BY HUMAN
; TITLE OF INVENTION: NEW PROTEINS, RNA SEQUENCES ENCODING THESE PROTEINS AND
; TITLE OF INVENTION: THEIR PHARMACEUTICAL AND BIOLOGICAL USES
; NUMBER OF SEQUENCES: 11
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: BROWDY AND NEIMARK, P.L.L.C.
; STREET: 419 Seventh Street, N.W., Suite 400
; CITY: Washington
; STATE: D.C.
; COUNTRY: U.S.A.
; COMPUTER PROCESSABLE FORM:
; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: PatentIn Release #1.0, Version #1.25
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/08/474,988B
; FILING DATE: 07-JUN-1995
; CLASSIFICATION: 435
; CLASSIFICATION: 435
; APPLICATION NUMBER: US 08/416,478
; FILING DATE: 04-APR-1995
; CLASSIFICATION: 435
; APPLICATION DATA:
; APPLICATION NUMBER: US 07/854,644
; FILING DATE: 08-SEP-1992
; ATTORNEY/AGENT INFORMATION:
; NAME: TUN, Allen C.
; REFERENCE INFORMATION:
; REFERENCE NUMBER: 37,971
; REFERENCE NUMBER: 628-5197
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: (202) 737-3528
; TELEPHONE: (202) 737-3528
; INFORMATION FOR SEQ ID NO: 1:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 1871 base pairs
; TYPE: nucleic acid
; STRANDEDNESS: single
; TOPOLOGY: linear
; FEATURE:
; NAME/KEY: CDS
; LOCATION: 231..1724

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Query Match 4.1%; Score 36.6; DB 3; Length 581;
Best Local Similarity 57.4%; Pred. No. 0.23;

OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: PatentIn Release #1.0, Version #1.30
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/676-967
FILING DATE:
CLASSIFICATION: 530
ATTORNEY/AGENT INFORMATION:
NAME: Osman Ph.D., Richard A
REGISTRATION NUMBER: 36,627
REFERENCE/DOCKET NUMBER: UCB96-055
TELECOMMUNICATION INFORMATION:
TELEPHONE: (415)343-4341
TELEFAX: (415)343-4342
INFORMATION FOR SEQ ID NO: 2:
SEQUENCE CHARACTERISTICS:
LENGTH: 2277 base pairs
TYPE: nucleic acid
STRANDEDNESS: double
TOPOLOGY: linear
MOLECULE TYPE: CDNA
US-08-676-967-2

Query Match 3.8%; Score 34; DB 1; Length 2277;
Best Local Similarity 29.0%; Pred. No. 2.8;
Matches 54; Conservative 38; Mismatches 94; Indels 0; Gaps 0;
Qy 572 gaattgtcgtatccttattgagggagctctcttaaccatcagaccatcatgatgaatt 631
Db 2224 RARVYTTGTTTATGTCNACNARYTGRTFRANKNGTTCNGYTTTTCNCYT 2165
Qy 632 ttgcttattgcttctcctcattatcatgatgatgaattatcctgctcgcgttt 691
Db 2164 TNGCYTTTTCNKNMNACTGTCNSNNSNARYTGTYTTCYTGTTCCAYTGRT 2105
Qy 692 tcttttctcgtatcttctcattatgccttcttcttctgctgctggaacctatg 751
Db 2104 TDATYTGNGYTTTGTTTNGRTGNGACNGYTTNACYTTCNCYTTTCNCKNARC 2045
Qy 752 tttatt 757
Db 2044 KDATYT 2039

RESULT 14
US-08-676-974-2/c
Sequence 2, Application US/08/676974
Patent No. 5770422
GENERAL INFORMATION:
APPLICANT: COLLINS, KATHLEEN
TITLE OF INVENTION: Human Telomerase
NUMBER OF SEQUENCES: 10
CORRESPONDENCE ADDRESS:
ADDRESSEE: Science & Technology Law Group
STREET: 268 Bush Street, Suite 3200
CITY: San Francisco
STATE: CA
COUNTRY: USA
ZIP: 94104
COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
OPERATING SYSTEM: IBM PC compatible
SOFTWARE: PatentIn Release #1.0, Version #1.30
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/676-974
FILING DATE:
CLASSIFICATION: 530
ATTORNEY/AGENT INFORMATION:
NAME: Osman Ph.D., Richard A
REGISTRATION NUMBER: 36,627
REFERENCE/DOCKET NUMBER: UCB96-055
TELECOMMUNICATION INFORMATION:

TELEPHONE: (415)343-4341
TELEFAX: (415)343-4342
INFORMATION FOR SEQ ID NO: 2:
SEQUENCE CHARACTERISTICS:
LENGTH: 2277 base pairs
TYPE: nucleic acid
STRANDEDNESS: double
TOPOLOGY: linear
MOLECULE TYPE: CDNA
US-08-676-974-2

Query Match 3.8%; Score 34; DB 1; Length 2277;
Best Local Similarity 29.0%; Pred. No. 2.8;
Matches 54; Conservative 38; Mismatches 94; Indels 0; Gaps 0;
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Db 2224 RARVYTTGTTTATGTCNACNARYTGRTFRANKNGTTCNGYTTTTCNCYT 2165
Qy 632 ttgcttattgcttctcctcattatcatgatgatgaattatcctgctcgcgttt 691
Db 2164 TNGCYTTTTCNKNMNACTGTCNSNNSNARYTGTYTTCYTGTTCCAYTGRT 2105
Qy 692 tcttttctcgtatcttctcattatgccttcttcttctgctgctggaacctatg 751
Db 2104 TDATYTGNGYTTTGTTTNGRTGNGACNGYTTNACYTTCNCYTTTCNCKNARC 2045
Qy 752 tttatt 757
Db 2044 KDATYT 2039

RESULT 15
US-09-098-487-2/c
Sequence 2, Application US/09098487
Patent No. 5917025
GENERAL INFORMATION:
APPLICANT: COLLINS, Kathleen
TITLE OF INVENTION: Human Telomerase
NUMBER OF SEQUENCES: 11
CORRESPONDENCE ADDRESS:
ADDRESSEE: Science & Technology Law Group
STREET: 268 Bush Street, Suite 3200
CITY: San Francisco
STATE: CA
COUNTRY: USA
ZIP: 94104
COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
OPERATING SYSTEM: IBM PC compatible
SOFTWARE: PatentIn Release #1.0, Version #1.30
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/09/098,487
FILING DATE:
CLASSIFICATION:
ATTORNEY/AGENT INFORMATION:
NAME: Osman Ph.D., Richard A
REGISTRATION NUMBER: 36,627
REFERENCE/DOCKET NUMBER: UCB96-055
TELECOMMUNICATION INFORMATION:
TELEPHONE: (415)343-4341
TELEFAX: (415)343-4342
INFORMATION FOR SEQ ID NO: 2:
SEQUENCE CHARACTERISTICS:
LENGTH: 2277 base pairs
TYPE: nucleic acid
STRANDEDNESS: double
TOPOLOGY: linear
MOLECULE TYPE: CDNA
US-09-098-487-2

GenCore version 4.5
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OM nucleic - nucleic search, using sw model

Run on: March 11, 2002, 15:36:56 ; Search time 61.41 Seconds
(without alignments)
2581.576 Million cells up

Title: US-09-327-750D-28

Perfect score: 700
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Scoring table: IDENTITY_NUC

Gapop 10.0 , Gapext 1.0

Searched: 351203 seqs, 113238999 residues

Total number of hits satisfying chosen parameters. 702405

Minimum DB seq length: 0

Maximum DB seq length: 0
Maximum DB seq length: 2000000000

Post-processing: Minimum Match 0%

Post processing: Minimum Match 0%
Maximum Match 100%

Maximum MACCH 100%
Listing first 45 summaries

Database : Issued Patents NA.*

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3: /cgn2_6/prodata/2/ina/6A_COMB.seq.*
4: /cgn2_6/prodata/2/ina/6B_COMB.seq.*
5: /cgn2_6/prodata/2/ina/PCTUS_COMB.seq.*
6: /cgn2_6/prodata/2/ina/hactfile1.seq.*

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Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.

## SUMMARIES

| Result | Query | Score | Length | DB | ID                | Description        |
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| c 1    | 59.8  | 8.5   | 7218   | 1  | US-08-332-463-14  | Sequence 14, Appl  |
| c 2    | 44.6  | 6.4   | 5523   | 1  | US-08-332-463-11  | Sequence 11, Appl  |
| c 3    | 38.4  | 5.5   | 7218   | 1  | US-08-332-463-14  | Sequence 14, Appl  |
| c 4    | 36.8  | 5.3   | 289    | 4  | US-08-007-005-17  | Sequence 17, Appl  |
| c 5    | 36.8  | 5.3   | 289    | 4  | US-08-007-005-17  | Sequence 17, Appl  |
| c 6    | 34.8  | 5.0   | 435    | 4  | US-08-474-796-17  | Sequence 17, Appl  |
| c 7    | 34.8  | 5.0   | 5163   | 3  | US-08-693-922-3   | Sequence 3, Appl   |
| c 8    | 34.8  | 5.0   | 5163   | 3  | US-08-700-651-1   | Sequence 1, Appl   |
| c 9    | 34.8  | 5.0   | 3318   | 3  | US-08-928-361B-4  | Sequence 4, Appl   |
| c 10   | 34.8  | 5.0   | 3318   | 3  | US-08-700-651-2   | Sequence 2, Appl   |
| c 11   | 34.8  | 5.0   | 5319   | 4  | US-08-928-361B-3  | Sequence 3, Appl   |
| c 12   | 34.4  | 4.9   | 1247   | 4  | US-08-592-922-1   | Sequence 1, Appl   |
| c 13   | 34.4  | 4.9   | 1247   | 4  | US-08-172-775-110 | Sequence 110, Appl |
| c 14   | 34.4  | 4.9   | 2501   | 3  | US-08-787-739-58  | Sequence 58, Appl  |
| c 15   | 34.4  | 4.9   | 2501   | 4  | US-09-178-115-58  | Sequence 58, Appl  |
| c 16   | 34.4  | 4.9   | 2501   | 4  | US-09-177-776-58  | Sequence 58, Appl  |
| c 17   | 34.4  | 4.9   | 3332   | 3  | US-08-787-739-90  | Sequence 90, Appl  |
| c 18   | 34.4  | 4.9   | 3332   | 4  | US-09-178-115-90  | Sequence 90, Appl  |
| c 19   | 34.4  | 4.9   | 3332   | 4  | US-09-177-776-90  | Sequence 90, Appl  |
| c 20   | 34.4  | 4.9   | 3332   | 4  | US-08-481-658B-5  | Sequence 5, Appl   |
| c 21   | 34.4  | 4.9   | 10898  | 2  | US-08-477-504A-5  | Sequence 5, Appl   |
| c 22   | 34.4  | 4.9   | 10898  | 2  | US-08-486-626A-5  | Sequence 5, Appl   |
| c 23   | 34.4  | 4.9   | 10898  | 2  | US-08-487-739-5   | Sequence 5, Appl   |
| c 24   | 34.4  | 4.9   | 10898  | 3  | US-08-487-077A-5  | Sequence 5, Appl   |
| c 25   | 34.4  | 4.9   | 10898  | 3  | US-08-485-863A-5  | Sequence 5, Appl   |
| c 26   | 34.4  | 4.9   | 10898  | 4  | US-08-485-863A-5  | Sequence 5, Appl   |
| c 27   | 34.4  | 4.9   | 10898  | 4  | US-08-485-049D-5  | Sequence 5, Appl   |

## ALIGNMENTS

RESULT 1  
 US-08-232-463-14/C  
 Sequence 14, Application US/08232463  
 Patent No. 5670367  
 GENERAL INFORMATION:  
 APPLICANT: DORNER, F.  
 APPLICANT: SCHEFLINGER, F.  
 APPLICANT: FALKNER, F. G.  
 TITLE OF INVENTION: RECOMBINANT FOMLOPX VIRUS  
 NUMBER OF SEQUENCES: 52  
 CORRESPONDENCE ADDRESS:  
 STREET: 1800 Diagonal Road, Suite 500  
 CITY: Alexandria  
 STATE: VA  
 COUNTRY: USA  
 ZIP: 22313-0299  
 COMPUTER READABLE FORM:  
 MEDIUM TYPE: Floppy disk  
 COMPUTER: IBM PC compatible  
 OPERATING SYSTEM: PC-DOS/MS-DOS  
 SOFTWARE: Patent In Release #1.0, Version #1.25  
 CURRENT APPLICATION DATA:  
 APPLICATION NUMBER: 05/082324,463  
 FILING DATE: 05/08/232,463  
 CLASSIFICATION: 435  
 PRIORITY APPLICATION DATA:  
 APPLICATION NUMBER: 05/07/935,313  
 FILING DATE:  
 APPLICATION NUMBER: EP 91 114 300.6  
 FILING DATE: 26-AUG-1991  
 ATTORNEY/AGENT INFORMATION:  
 NAME: BENT, Stephen A.  
 REGISTRATION NUMBER: 29,768  
 TELECOMMUNICATION INFORMATION:  
 TELEPHONE: (703)836-9300  
 TELEFAX: (703)583-4109  
 TELEX: 899149  
 INFORMATION FOR SEQ ID NO: 14:  
 SEQUENCE CHARACTERISTICS:  
 LENGTH: 7218 base pairs  
 TYPE: nucleic acid  
 STRANDEDNESS: single  
 TOPOLOGY: linear  
 IMMEDIATE SOURCE:  
 CLONE: pTgtpt-Pls  
 S-08-232-463-14

|    | Query Match | Best Local Similarity                                         | 5.3% | Score 36.8     | DB 4   | Length 289 |
|----|-------------|---------------------------------------------------------------|------|----------------|--------|------------|
|    | Matches 15  | Conservative                                                  | 99   | Mismatches 118 | Indels | Gaps 0     |
| QY | 98          | agggcgagcggggaattgcagagagagctacgcgcagagatagatgccacgaataagcaac | 157  |                |        |            |
| DB | 1           | rgtgrtcararururarcrtarurururarcrtarururarcrtarururgrnn        | 60   |                |        |            |
| QY | 158         | caggaaacaaatctcatctgcgcaatgtccacagggaaaacagagcgtggagagcgc     | 217  |                |        |            |
| DB | 61          | rnsnrnsnrnrnrnrnsnrnsnrnrnrnrnrnsnrnsnrnrnrnrnsnrnrn          | 120  |                |        |            |
| QY | 218         | ctctcgatagatgacagaaacgcgcctcgtggggagaggtgagggccacagcctgtgc    | 277  |                |        |            |
| DB | 121         | rnsnrnsnrnrnrnrnsnrnrnrnrnrnrnsnrnrnrnrnrnrnsnrnrn            | 180  |                |        |            |
| QY | 278         | aacacacacacacacacacacacacacacacacacacacacacacacacacacac       | 329  |                |        |            |
| DB | 181         | rnsnrnsnrnrnrnrnsnrnrnrnrnrnrnsnrnrnrnrnrnrnsnrnrn            | 232  |                |        |            |

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RESULT 5
US-09-244-796-17
; Sequence 17, Application US/09244796
; Patent No. 6281344
; GENERAL INFORMATION:
; APPLICANT: Ssotak, Jack W.
; APPLICANT: Roberts, Richard W.
; TITLE OF INVENTION: SELECTION OF PROTEINS USING RNA-PROTEIN
; TITLE OF INVENTION: FUSTONS
; FILE REFERENCE: 00786/350007
; CURRENT APPLICATION NUMBER: US/09/244.796
; CURRENT FILING DATE: 1999-02-05
; EARLIER APPLICATION NUMBER: 60/035,963
; EARLIER FILING DATE: 1997-01-27
; EARLIER APPLICATION NUMBER: 60/064,491
; EARLIER FILING DATE: 1998-01-14
; EARLIER APPLICATION NUMBER: 09/007,005
; EARLIER FILING DATE: 1998-01-14
; NUMBER OF SEQ ID NOS: 33
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 17
; LENGTH: 289
; TYPE: RNA
; FEATURE: Artificial Sequence
; FEATURE: Translation
; OTHER INFORMATION: Translation template

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Query Match 4.98; Score 34.4; DB 4; Length 2501;

166 TGTCCTGACCATCAAGAGCAACGTCATATCGTCGGCGCGGATGGCGA 215